NORTH CENTRAL FOREST EXPERIMENT STATION

Research Note NC-287

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MONTHLY ALERT
Edition JUN 1983
Item No. 289
File

Pulpwood Production[1/] in the Lake States by County, 1981

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Abstract.--Lake States pulpwood production fell to 5.60 million cords in 1981. Pulpwood production is shown by county and species group in Michigan, Minnesota, and Wisconsin.

KEY WORDS: Residue, Michigan, Minnesota, Wisconsin

Pulpwood production in the Lake States--Michigan, Minnesota, and Wisconsin--dipped to 5.60 million cords in 1981: Wisconsin produced 2.39 million cords, Michigan 1.84 million cords, and Minnesota 1.37 million cords.

Ninety percent came from roundwood (including chips from roundwood); the remainder came from mill residue, such as slabs, edgings, veneer cores, and chips from these materials. Production from softwood and hardwood residue by State was:

State	Softwood	Hardwood
	(Hundred standard cords, unpeeled)	
Michigan	146	1,515
Minnesota	387	615
Wisconsin	466	2,440

Major species harvested were aspen (2,419,000 cords), pine (803,000 cords), maple (421,000 cords), balsam fir (309,000 cords), and birch (275,000 cords).

Wisconsin imported 26 percent of its pulpwood requirements, including 419,000 cords from Michigan, 177,000 cords from Minnesota, 164,000 cords from other (primarily western) States, and 75,000 cords from Canada.

1/ Includes logs, bolts, and wood residue used in manufacturing particleboard, waferboard, and oriented strand board.

Counties cutting more than 100,000 cords were Delta, Menominee, Iron, and Marquette in Michigan; Koochiching, St. Louis, Beltrami, and Itasca in Minnesota; and Marinette, Oneida, Forest, Bayfield, Douglas, Price, and Sawyer in Wisconsin. These 15 counties contributed 44 percent of the pulpwood produced from roundwood in the Lake States in 1981.

Table 1.--Lake States pulpwood production from roundwood by county and species, 1981

(In hundred standard cords, unpeeled)

MICHIGAN

Unit[1]/ and county	All species	Pine	Spruce	Balsam fir	Hemlock	Tamarack	Cedar	Aspen	Birch	Oak	Maple	Other hardwoods
E. UPPER PENINSULA												
Alger	447	41	12	41	38	1	10	45	52	7	111	89
Chippewa	344	102	30	53	25	5	1	42	23	2	32	29
Delta	1000	102	89	153	48	10	36	247	94	7	110	104
Luce	235	54	27	33	38	1	1	22	11	1	25	22
Mackinac	353	60	35	61	7	3	3	65	26	0	51	42
Menominee	1128	79	29	151	42	5	11	365	95	16	201	134
Schoolcraft	631	118	22	76	28	1	8	108	59	8	108	95
Total	4138	556	244	568	226	26	70	894	360	41	638	515
W. UPPER PENINSULA												
Baraga	408	33	8	22	25	4	1	119	39	2	104	51
Dickinson	668	24	17	63	13	4	4	339	50	4	85	65
Gogebic	273	4	4	12	5	0	0	124	26	X[2]/	67	31
Houghton	262	48	10	26	21	10	0	67	23	1	40	16
Iron	1409	89	77	128	46	3	2	572	104	15	263	110
Keweenaw	4	X	3	1	X	0	0	0	X	0	X	X
Marquette	1451	256	67	167	43	11	36	300	159	13	235	164
Ontonagon	703	X	3	2	6	0	0	493	36	X	113	50
Total	5178	454	189	421	159	32	43	2014	437	35	907	487
N. LOWER PENINSULA												
Alcona	445	30	X	1	0	0	0	277	24	56	36	21
Alpena	271	3	2	2	0	0	0	172	12	35	30	15
Antrim	12	1	0	0	0	0	0	7	X	0	4	X
Arenac	19	0	0	0	0	0	0	9	1	0	7	2
Benzie	143	3	0	0	0	0	0	64	3	22	45	6
Charlevoix	69	0	0	0	0	0	0	42	9	1	14	3
Cheboygan	381	15	X	3	0	0	0	243	29	10	65	16
Clare	121	X	0	0	0	0	0	98	2	18	3	X
Crawford	272	194	0	7	0	0	0	50	1	8	11	1
Emmet	107	6	0	0	0	0	0	70	5	3	19	4
Gladwin	43	1	0	0	0	0	0	35	2	3	1	1
Grand Traverse	62	14	0	0	0	0	0	31	2	4	6	5
Iosco	192	80	0	0	0	0	0	58	6	20	19	9
Isabella	148	5	0	0	0	0	0	109	0	11	12	11
Kalkaska	103	19	0	0	0	0	0	58	3	9	12	2
Lake	395	113	0	0	0	0	0	118	4	118	37	5
Leelanau	10	7	0	0	0	0	0	3	X	X	0	0
Manistee	360	10	0	0	0	0	0	147	10	91	93	9
Mason	315	29	0	0	0	0	0	131	8	64	75	8
Mecosta	159	17	0	0	0	0	0	108	2	23	9	X
Midland	63	0	0	0	0	0	0	45	11	0	7	X
Missaukee	213	7	0	0	0	0	0	138	12	25	26	5
Montmorency	345	36	2	2	0	0	0	191	24	25	49	16
Newaygo	426	93	0	0	0	0	0	200	2	116	14	1
Oceana	182	59	0	0	0	0	0	64	2	41	13	3
Ogemaw	227	80	0	0	0	0	0	93	6	24	17	7
Osceola	231	3	0	0	0	0	0	154	8	54	10	2
Oscoda	498	153	1	7	2	0	0	242	13	38	30	12
Otsego	192	49	0	1	1	0	0	87	8	10	32	4
Presque Isle	399	24	10	23	X	0	0	238	38	5	38	23
Roscommon	187	34	0	4	0	0	0	109	6	26	5	3
Wexford	336	87	0	0	0	0	0	104	3	56	73	13
Total	6926	1172	15	50	3	0	0	3495	256	916	812	207
S. LOWER PENINSULA												
Allegan	125	11	0	0	0	0	0	25	0	72	13	4
Barry	25	8	0	0	0	0	0	11	X	5	1	X
Berrien	2	2	0	0	0	0	0	0	0	0	0	0
Calhoun	X	X	0	0	0	0	0	0	0	0	0	0
Cass	X	X	0	0	0	0	0	0	0	0	0	0
Clinton	X	0	0	0	0	0	0	X	0	0	0	0
Eaton	1	1	0	0	0	0	0	0	0	0	0	0
Kalamazoo	2	2	0	0	0	0	0	X	0	0	0	0
Kent	9	8	0	0	0	0	0	1	0	0	0	0
Montcalm	90	6	0	0	0	0	0	51	X	28	5	X
Muskegon	93	36	0	0	0	0	0	27	X	26	4	X
Ottawa	106	102	0	0	0	0	0	X	X	4	X	X
St.Joseph	1	1	0	0	0	0	0	0	0	0	0	0
Tuscola	2	1	0	0	0	0	0	1	0	0	0	0
Van Buren	15	3	0	0	0	0	0	3	0	4	5	0
Washtenaw	5	5	0	0	0	0	0	0	0	0	0	0
Total	476	186	0	0	0	0	0	119	X	139	28	4
State total	16718	2368	448	1039	388	58	113	6522	1053	1131	2385	1213

(Table 1 continued on next page)

(Table 1 continued)

MINNESOTA

Unit[1]/ and county	All species	Pine	Spruce	Balsam fir	Hemlock	Tamarack	Cedar	Aspen	Birch	Oak	Maple	Other hardwoods
NORTHERN ASPEN-BIRCH												
Carlton	194	7	8	9	0	4	0	139	2	0	0	25
Cook	585	35	140	203	0	0	0	200	1	0	0	6
Koochiching	2038	216	427	168	0	92	0	1031	6	0	3	95
Lake	600	72	135	50	0	3	0	297	38	0	0	5
St.Louis	2937	375	218	263	0	15	0	1850	40	0	1	175
Total	6354	705	928	693	0	114	0	3517	87	0	4	306
NORTHERN PINE												
Aitkin	460	7	4	9	0	22	0	370	2	0	0	46
Becker	35	20	0	0	0	0	0	14	0	0	0	1
Beltrami	1001	113	97	72	0	78	0	599	10	0	1	31
Cass	915	158	5	19	0	10	0	708	4	X	X	11
Clearwater	266	20	21	11	0	23	0	179	2	0	1	9
Crow Wing	151	67	0	0	0	0	0	84	X	0	X	X
Hubbard	562	32	8	7	0	5	0	486	2	0	0	22
Itasca	2132	102	72	194	0	30	0	1667	4	0	1	62
Lake of the Woods	227	56	105	4	0	5	0	53	0	0	0	4
Mahnomen	27	2	0	0	0	0	0	23	X	0	0	2
Roseau	72	21	31	X	0	3	0	15	0	0	0	2
Wadena	121	99	0	0	0	0	0	21	0	0	0	1
Total	5969	697	343	316	0	176	0	4219	24	X	3	191
CENTRAL HARDWOOD												
Chisago	3	3	0	0	0	0	0	0	0	0	0	0
Goodhue	X	X	0	0	0	0	0	0	0	0	0	0
Isanti	3	3	0	0	0	0	0	0	0	0	0	0
Kanabec	24	0	0	0	0	0	0	24	0	0	0	0
Mille Lacs	31	2	1	0	0	2	0	26	0	0	0	X
Morrison	92	2	X	0	0	0	0	90	0	0	0	0
Otter Tail	2	0	0	0	0	X	0	2	0	0	0	0
Pine	166	12	0	0	0	0	0	128	1	0	0	25
Scott	1	1	0	0	0	0	0	0	0	0	0	0
Sherburne	34	34	0	0	0	0	0	0	0	0	0	0
Todd	5	3	0	0	0	0	0	2	0	0	0	0
Wabasha	1	1	0	0	0	0	0	0	0	0	0	0
Total	362	61	1	0	0	2	0	272	1	0	0	25
PRAIRIE												
Cottonwood	1	1	0	0	0	0	0	0	0	0	0	0
Kandiyohi	1	1	0	0	0	0	0	0	0	0	0	0
Polk	12	0	1	0	0	7	0	4	0	0	0	0
Red Lake	1	1	0	0	0	0	0	0	0	0	0	0
Total	15	3	1	0	0	7	0	4	0	0	0	0
State total	12700	1466	1273	1009	0	299	0	8012	112	X	7	522

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WISCONSIN

Unit[1]/ and county	All species	Pine	Spruce	Balsam fir	Hemlock	Tamarack	Cedar	Aspen	Birch	Oak	Maple	Other hardwoods
NORTHEASTERN												
Florence	563	39	18	53	8	2	0	326	41	8	48	20
Forest	1281	67	72	227	22	1	0	499	114	16	173	90
Langlade	841	30	11	66	3	1	0	411	64	9	164	82
Lincoln	907	72	9	36	6	3	0	470	70	20	119	102
Marinette	1594	292	39	116	12	1	0	883	76	38	96	41
Menominee	512	33	X	0	163	0	0	209	9	9	53	36
Oconto	542	216	4	16	7	0	0	236	27	6	20	10
Oneida	1472	171	42	207	7	5	0	635	194	41	122	48
Shawano	278	71	0	1	5	X	0	120	8	9	32	32
Vilas	813	118	19	67	8	X	0	364	137	20	63	17
Total	8803	1109	214	789	241	13	0	4153	740	176	890	478
NORTHWESTERN												
Ashland	964	117	23	97	5	3	0	424	93	11	111	80
Barron	19	2	0	0	0	0	0	11	3	1	1	1
Bayfield	1361	209	2	12	4	1	0	842	127	12	75	77
Burnett	499	217	X	X	0	X	0	268	3	2	7	2
Douglas	1161	472	X	5	0	0	0	643	32	X	4	5
Iron	553	8	1	12	3	X	0	375	47	9	53	45
Polk	19	19	0	X	0	0	0	0	0	0	0	0
Price	1110	37	14	47	7	11	0	378	159	37	180	240
Rusk	657	10	0	X	2	1	0	352	79	38	100	75
Sawyer	1154	72	7	45	7	7	0	752	98	14	106	46
Taylor	656	22	3	22	10	3	0	308	63	14	113	98
Washburn	549	129	3	12	0	X	0	339	26	7	22	11
Total	8702	1314	53	252	38	26	0	4692	730	145	772	680
CENTRAL												
Adams	460	379	0	0	0	0	0	4	1	66	6	4
Chippewa	255	22	0	0	1	1	0	127	31	20	28	25
Clark	407	47	X	0	2	0	0	203	32	75	25	23
Eau Claire	189	129	X	0	0	0	0	24	4	21	7	4
Jackson	267	162	0	0	0	X	0	29	5	60	6	5
Juneau	306	205	0	0	0	0	0	17	5	64	10	5
Marathon	416	50	4	5	5	X	0	220	24	34	37	37
Marquette	69	41	0	0	0	X	0	4	2	15	5	2
Monroe	137	96	0	0	0	0	0	9	3	15	9	5
Portage	182	101	X	X	1	7	0	44	2	21	4	2
Waupaca	131	80	X	X	X	X	0	32	2	7	6	4
Waushara	135	134	0	0	0	0	0	X	0	1	X	0
Wood	188	56	1	0	0	X	0	81	5	32	6	7
Total	3142	1502	5	5	9	8	0	794	116	431	149	123
SOUTHWESTERN												
Buffalo	X	X	0	0	0	0	0	0	0	0	0	0
Crawford	15	0	0	0	0	0	0	2	1	7	2	3
Dunn	126	125	X	X	0	0	0	1	X	X	X	X
Grant	16	0	0	0	0	0	0	2	1	8	2	3
La Crosse	4	3	0	0	0	0	0	1	X	0	X	X
Pepin	2	2	X	0	0	0	0	0	0	X	0	0
Pierce	1	1	0	0	0	0	0	X	0	0	0	0
Sauk	60	51	0	0	0	0	0	0	1	4	3	1
Trempealeau	22	21	0	0	0	0	0	0	X	1	X	X
Vernon	1	1	0	0	0	0	0	0	0	0	0	0
Total	247	204	X	X	0	0	0	6	3	20	7	7
SOUTHEASTERN												
Brown	8	5	0	0	0	0	0	3	0	0	0	0
Columbia	61	43	0	0	0	0	0	1	2	8	3	4
Door	X	X	0	0	0	0	0	0	0	0	0	0
Green Lake	2	2	0	0	0	0	0	0	0	0	0	0
Kenosha	X	0	0	0	0	0	0	X	0	0	0	0
Kewaunee	X	X	0	0	0	0	0	0	0	0	0	0
Outagamie	3	1	0	0	0	0	0	2	0	0	0	0
Rock	X	0	0	0	0	0	0	0	0	0	X	X
Walworth	11	11	0	0	0	0	0	0	0	0	0	0
Waukesha	2	2	0	0	0	0	0	0	0	0	0	0
Total	87	64	0	0	0	0	0	6	2	8	3	4
State total	20981	4193	272	1046	288	47	0	9651	1591	780	1821	1292

1/ Includes only those counties that supplied pulpwood in 1981.
2/ X=Less than 50 cords.